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⚠ WARNING

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.
Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT DISASSEMBLE OR ALTER.
Doing so may result in an accident, fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.
Use for other than its designed application may result in fire, electric shock or other injury.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.
Failure to do so may result in fire or electric shock.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.
Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.
When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed.
Rupture or chemical leakage from the battery may cause fire or personal injury.

⚠PRECAUTIONS

Temperature
Be sure the temperature inside the vehicle is between +45°C (+113°F) and 0°C (+32°F) before turning your unit on.

Fuse Replacement
When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder. If the fuse(s) blows more than once, carefully check all electrical connections for shorted circuitry. Also have your vehicle's voltage regulator checked.

Maintenance
If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location
Make sure the TUE-T150DV will not be exposed to:
• Direct sun and heat
• High humidity
• Excessive dust
• Excessive vibrations

⚠SAFETY

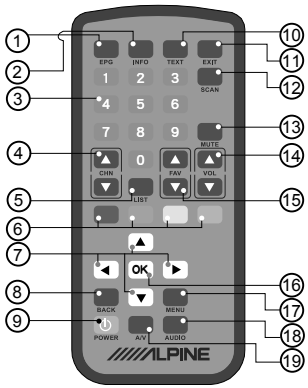
Video Output (front)

In order to ensure vehicle safety, the screen viewed bythe driver must be connected to the front video output.

This will ensure the driver will not be able to view TV whilethe vehicle is moving, if the blue/yellow handbrake cable is properly connected. The driver will be able to view TV only if the hand-brake is applied. The rear passenger screens, connected to the video output, do not fall underthis restriction.

Notice: Rear view camera can only been viewed from the monitor connected to the front video output.

Controls on remote control



① **EPG button**
Press the button to enter the Electronic Program Guide menu.

② **INFO buttons**
Press the info button to show reception details.of the currently selected service.

③ **Number buttons**
Preset services and Teletext pages can be directly accessed by using the number buttons.

④ **CH+ / CH- buttons**
Press these buttons to select the next/prev. preset service.

⑤ **LIST buttons**
Press the list button to show a list of all available services.

⑥ **Teletext menu buttons**
Navigate the Teletext shortcut menu by pressing these buttons
In TV mode the yellow/blue button can be pressed to select the next/previous favourite service.

⑦ **▲▼ ▶◀ buttons**
Press the up/down buttons to navigate the OSD or to load the next/previous Teletext-page.

Press the left/right buttons to navigate the OSD or to skip the next/previous 100 Teletext pages.

⑧ **Back button**
Press the button return to the previously selected service.

⑨ **Power button**
Press the button to turn the DVB-T tuner unit on/off.

⑩ **TXT button**
Press the button to enter the Teletext menu.

⑪ **Exit button**
Press the button to return from a menu.

⑫ **Scan button**
Press the button to start the auto scan procedure.

⑬ **Mute button**
Press the button to switch on/off the audio output.

⑭ **VOL+ / VOL- buttons**
Press these buttons to adjust the volume ouput level.

⑮ **FAV+ / FAV- button**
Use these buttons to move Up / Down within your favorite list.

⑯ **OK button**
Press the button to select a highlighted menu item or to confirm a number input.

⑰ **Menu button**
Press the button to enter the main menu.

⑱ **Audio button**
Press the button to enter the audio setup menu.

⑲ **A/V button**
Press the button and the source will change as shown below:

→ DVB-T → Radio → A/V 1 →

Getting Started

Settings in the main menu

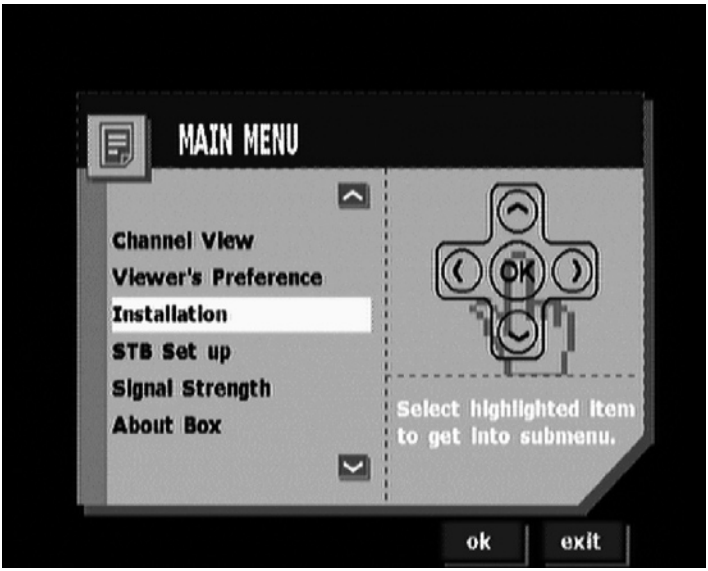
• Press MENU key on the remote control to view the main menu on the screen.

• Press EXIT to quit.

Entering sub-menus

• Select highlighted item and press OK to enter the sub-menu.
The sub-menu will be shown on the screen.

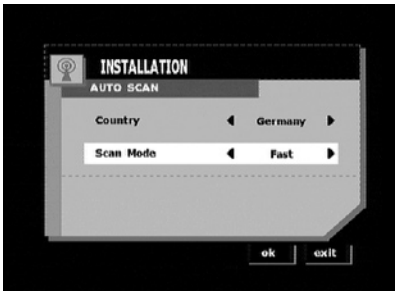
• Press EXIT to return to the main menu.



Installation

• The installation menu lets you add, delete and auto scan terrestrial carriers.

• Auto Scan
In this menu you can select your country and scan mode to do a fast or slow scan.



• Fast scan scans a list of carriers.
• Slow scan scans the full range of frequencies.

Press OK to start auto scan after having selected the scanning mode.

• Add Carrier manually
- Select your country.
- Select the channel number.

Press OK to confirm your input.

Installation

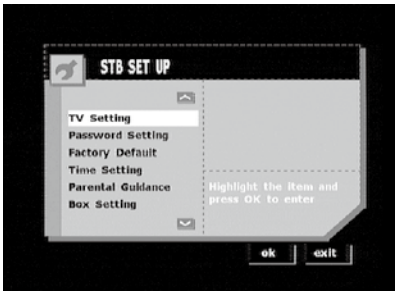
• Carrier Info
In this menu you can see the carrier parameters.
Press OK to re-tune the highlighted carrier.

• Delete Carrier
Select a carrier and press OK to delete it.

• Delete All Carriers
This function deletes all stored carrier information and services.

STB Setup

• From the STB Setup menu you can reach the following sub-menus:
- TV Setting
- Password Setting
- Factory Default
- Time Setting
- Parental Guidance
- Box Setting



• TV Setting

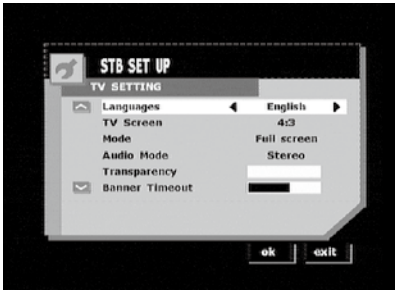
- Language:
  Select your preferred OSD language.

-TV Screen options:
a. 4:3
b. Auto
c. 16:9

- Mode options if TV screen is set to 4:3 or Auto:
a. Full Screen
b. Letter Box

- Mode options if TV screen is set to 16:9:
a. Standard
b. Full Zoom
c. Half Zoom
d. Centred

While TV is being viewed, the right arrow button on the RC (▶)can be used to toggle between the above described display modes.



- Audio Mode lets you switch the audio output between stereo, left channel only and right channel only.

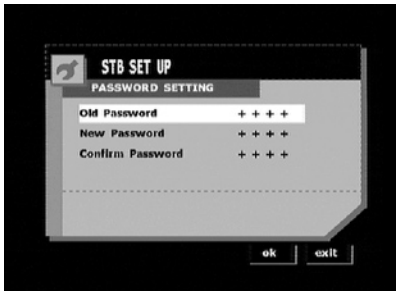
- The transparency of the OSD window can be adjusted by moving the slide bar.

- The banner timeout of the OSD window can be adjusted by moving the slide bar.

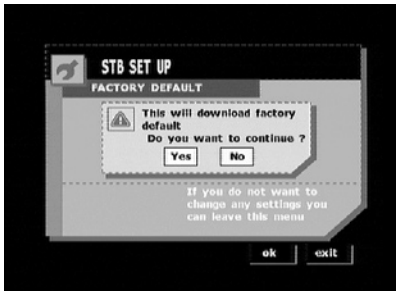
STB Setup

• Password Setting
In this menu you can change your password.
The new password will be automatically stored after the matching confirmation entry is done.

• The default password is 0000.



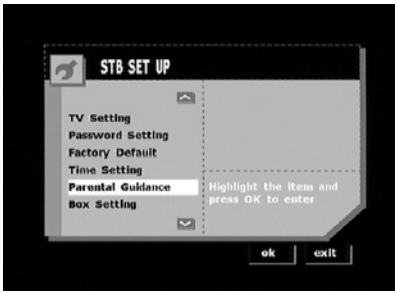
• Factory Default
Select Factory Default and confirm with Yes to proceed the download of the device's factory default settings.
All user settings will be overwritten.



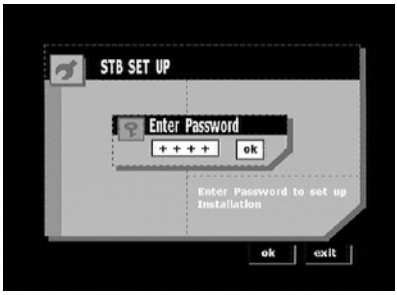
• Time Setting
Here you can set the time zone relative to GMT.

STB Setup

• Parental Guidance
In this menu you can set the locking mechanism.

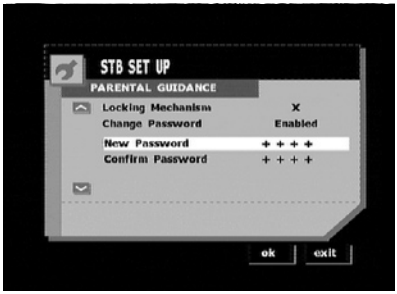


• Enter your password to access the parental guidance level.



• Select the desired locking mechanism according to the Australian OFLC codes. (Effective only, if supported by the broadcaster.)

NO:	Block none
G:	Block G and above
PG:	Block PG and above
M:	Block M and above
MA:	Block MA and above
AV:	Block AV and above
R:	Block R and above
P:	Block P and above
C:	Block C and above
ALL:	Block all



• Change Password
Select “Enabled” to change the parental password.

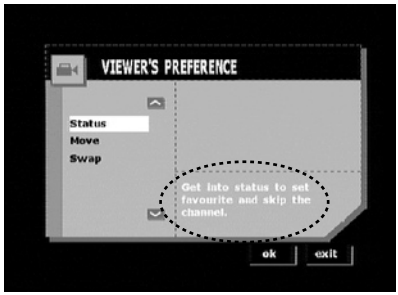
• Box Setting - Volume Mode:
- Select “Variable” to allow volume adjustment by remote control.
- Select “Fix” to fix the current volume output level and block adjustment by remote control.

• Analog RCU - Extended RC Support:
- Select “Disabled” to support all standard RC commands for TUE-T150DV.
- Select “Enabled” to activate the extended command support for analog TV RC commands.

Viewer's Preference

Icons:

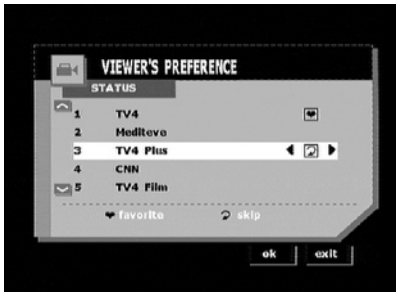
• Viewer's Preference
- MOVE:
  Select this function to move any channel to any position within the channel list.
- SWAP:
  Select this function to swap the position of two choosen channels.



Mark desired services as favourite to access them by using the FAV+ (yellow) and FAV- (blue) buttons.

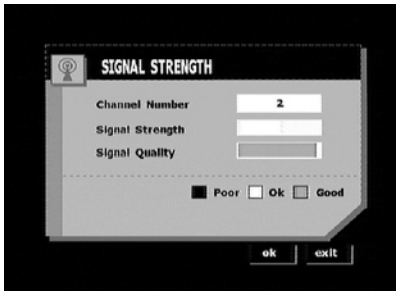
Mark desired services with the skip icon to skip them when using the CH+ and CH- buttons.

Use the Move and Swap functions to organize the channel list.



Signal Strength

• Signal Strength
In this menu you can see the signal strength and signal quality for reference to adjust your antenna position.



About Box

• About Box
shows you the hardware and current software version.

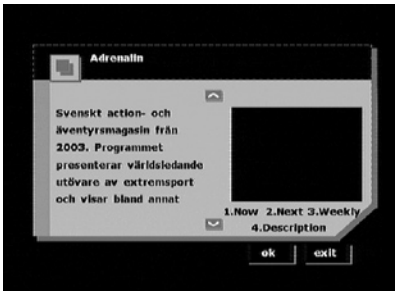
Hotkeys

• Electronic Program Guide (EPG)
EPG provides information about
the current program (Now),
the following (Next) and
the weekly (Weekly) broadcasts.
(Only available, if supported by the broadcaster.)

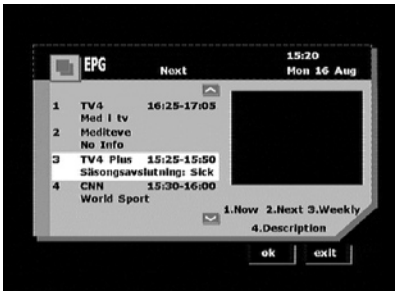
• Press the EPG button on the remote control.
• Press the “1” button to show “Now” information.

Press up/down key to view more programs.

• Press “4” button to show detailed information about the highlighted program.



• Press “2” button to show “Next” information.
• Press “4” button to show detailed information about the highlighted program.



• Press “3” button to show “Weekly” information.
• Press “4” button to show detailed information about the highlighted program.

Hotkeys

• Channel List
Press the LIST button on the remote control.
All available channel numbers and station names are displayed.

Press the up/down buttons to scroll.

• Icon Description:

Indicates a service that has been selected as favourite.

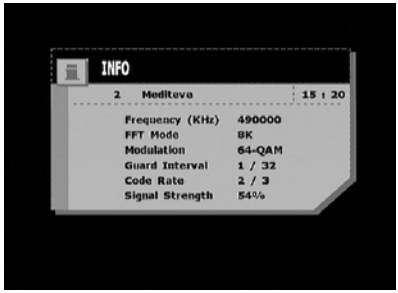
Indicates an encrypted (pay) service.

Indicates a service with multiple audio/language channels.

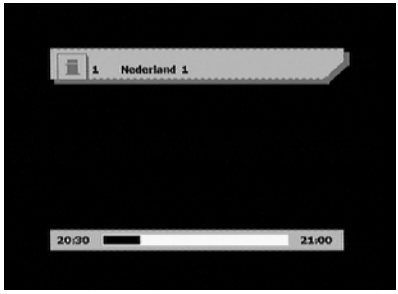
Indicates a service with Tele Text support.

Icons:

• Carrier Information
Press the INFO button to show the carrier information of the currently selected station.



• Previously Viewed Channel
Press the BACK button to switch to the previously viewed channel.



Hotkeys

• Press the TXT key to view Teletext, Teletext subtitle or DVB-subtitle.

This information is sent by the broadcaster and is not permanently provided.

In Teletext mode the following controls are available:
- up/down buttons: Load the next/previous page.
- left/right buttons: Skip the next/previous 100 pages.
- Teletext color buttons (red, green, yellow, blue)

- OK button: Change the transparency of the Teletext window (4 levels).

100 TV4 Text Mån 16 Aug 15:19:30
TV4
Inrikes 101 Utrikes 102
Ekonomi 104 Sporten 300
"Sänk spritskatten med 40 procent". 110
Poliser åtalade för misshandel..... 112
Chavez vann valet i Venezuela..... 120
Enqvist utslagen efter OS-rysare... 315
REKLAM
Nyhet! SMS MOBIL-CHAT
Hitta nya spännande vänner
eller kärleken
Allt händer här och nu på din mobil!
Se sida 698
Massor av tjejer söker kontakt!
nnande V5-tips · se sidan 370 * Kvällen

• The A/V button
The output source can be selected by pressing the A/V button.
Sequence: … > TV > Radio > AUX1 > …

Hotkeys

• **Automatic Search Function**

The automatic search function will only search for alternative frequencies of the service that was received before reception was lost.
If the reception is lost the TUE-T150DV will automatically carry out a quick search of all known service frequencies. If this search is unsuccessful the TUE-T150DV will request the user to choose whether to activate the automatic search function or not. If the user selects:

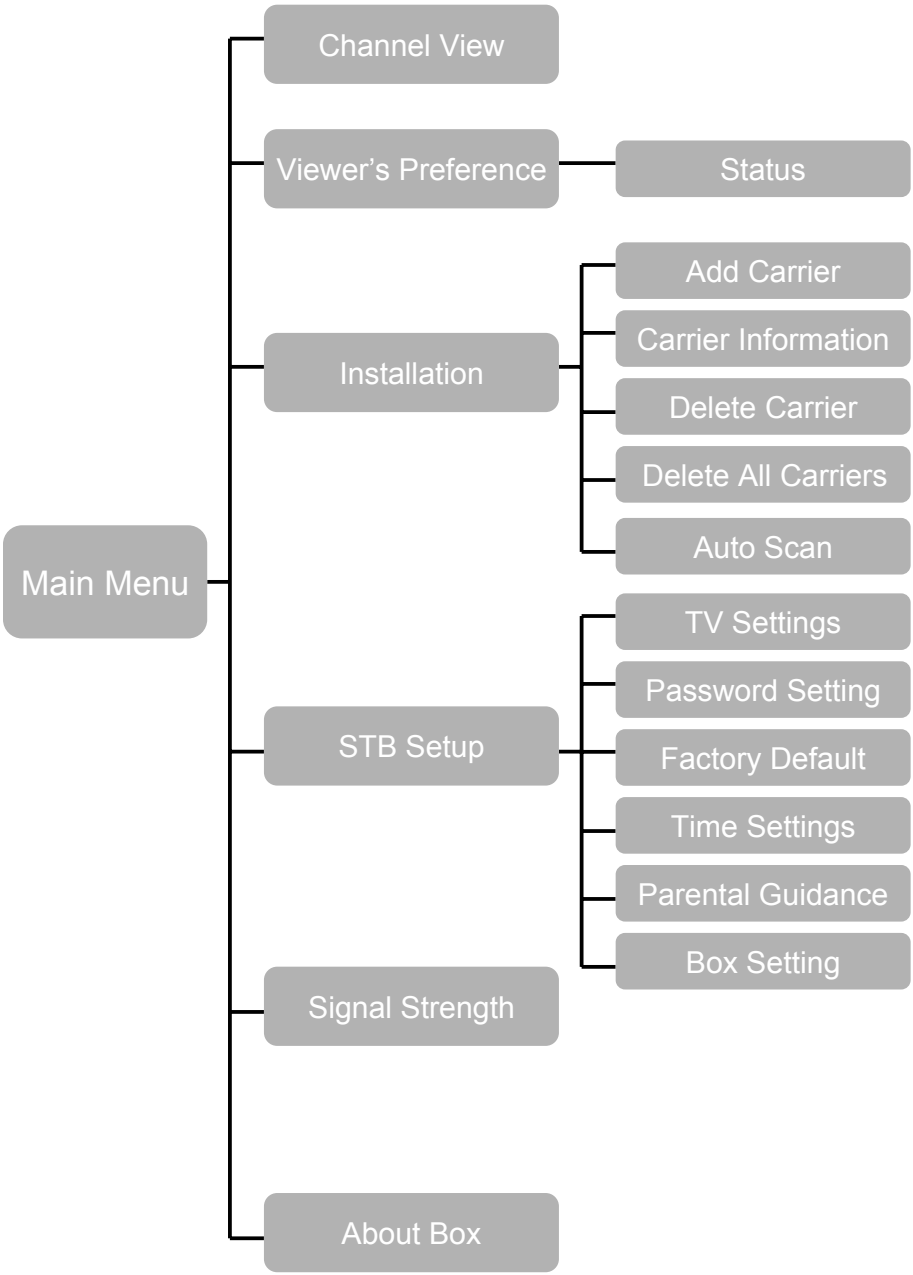
- “NO”: There is no function carried out
The tuner will wait for the reception to return.
This selection can be revised by pressing the OK button during a non-reception period.

- No input
The tuner will wait for the reception to return, but will automatically re-start the above quick-searchprocedure every time the reception is lost.

- “YES”: Automatic Search will be carried out.
The tuner will carry out a full search twice.
If available the tuner will automatically switch to the latest selected service on another carrier frequency.
If the full search is unsuccessful, the tuner will wait for the reception to return.

If the result is not satisfactory, please use the SCAN function of the remote control. In this mode, the tuner will search for any available service.the tuner will search for any available service.

OSD Structure



⚠ Installation and Connections

Before installing or connecting the unit, please read the following and pages 2 and 3 of this manual thoroughly for proper use.

⚠ Warning

MAKE THE CORRECT CONNECTIONS.
Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 or 24 VOLT NEGATIVE GROUND.
(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.
Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.
Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.
Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.
Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

⚠ Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.
The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.
Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.
Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.
Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

Be sure to disconnect the cable from the (–) battery post before installing your TUE-T150DV. This will reduce any chance of damage to the unit in case of a shortcircuit.
• Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage the vehicle's electrical system.
• When making connections to the car's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the TUE-T150DV to the fuse box, make sure the fuse for the intended circuit of the TUE-T150DV has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.
• The TUE-T150DV uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized ALPINE dealer for assistance.

Installation

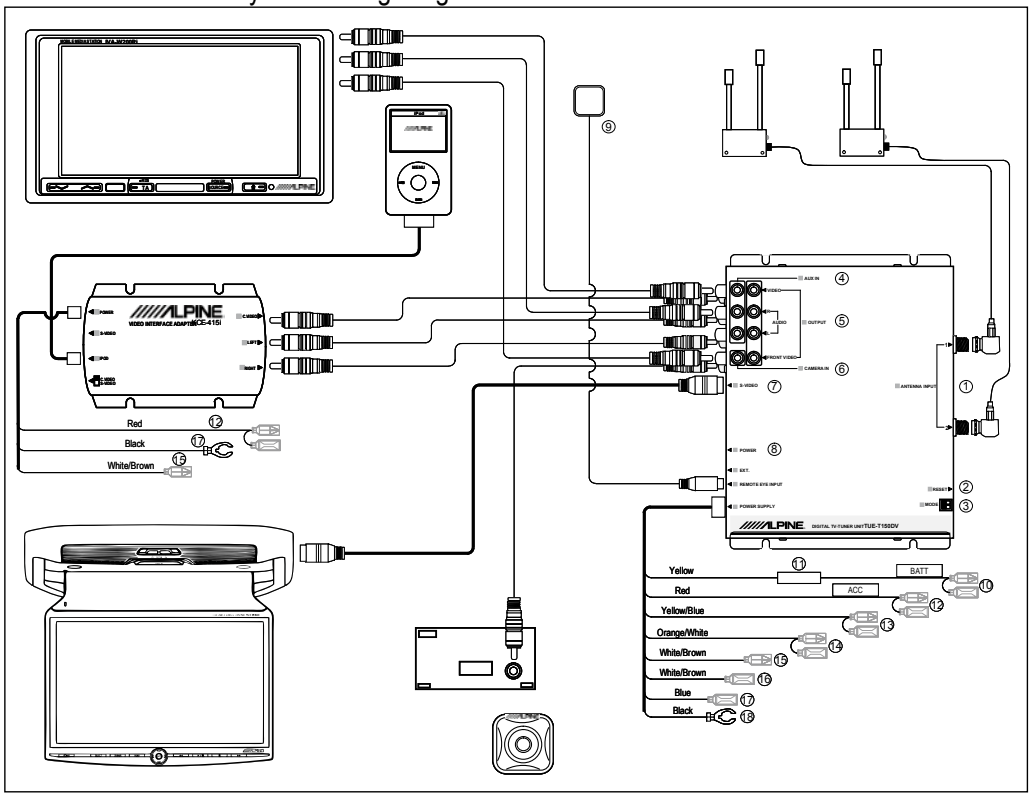
Installing TV TUNER

This TV TUNER can be placed inside the trunk, on the kick panel of the front passenger's seat or underdash. However, to avoid unnecessary signal wiring, it is better to mount the TV TUNER as close as possible to the Display.
DO NOT MOUNT THE UNIT IN LOCATIONS THAT WILL BE IN THE VICINITY OF MOISTURE OR EXTREME HEAT (such as the engine compartment).

Installation and Connections

EN

Connections and System Wiring Diagram

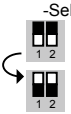


① Antenna input socket (F-plug/female) with integrated 5V/30mA power supply.

② Reset button

③ Mode switches for starting software download and erasing the EEPROM

-Selecting the video output format (factory default is PAL):



1. Turn TUE-T150DV on
2. Set both DIP switches to down position
3. Select the video system by pressing the RESET button

PAL → NTSC → SECAM

4. Set both DIP switches to up position!

-Erasing the EEPROM (reset to factory default):

1. Turn TUE-T150DV on
2. Switch DIP1 to the up position and DIP2 to the down position
3. Press the RESET button and wait for 10 sec. until the deletion is finished

4. Set both DIP switches to up position!

5. Press once again the RESET button

④ 1 x RCA A/V auxiliary input

⑤ 1 x RCA A/V output & front video output

⑥ Camera Input

⑦ S-Video output

⑧ Power status LED

⑨ External IR sensor

⑩ **Battery lead (yellow)**
Connect to a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch).

⑪ Fuse holder (3.0A)

⑫ **Switched power lead (Ignition) (red)**
Connect to an accessory terminal in the fuse block.

⑬ **Parking brake lead (yellow/blue)**
Connect to parking brake or metallic body or chassis of the car.

⑭ **Reverse Lead (orange/white)**
Use when connecting a rear view camera.
Connect to a Reverse gear activated 12 volt signal.
The camera signal is switched to ghe front video output only.

⑮ **Remote control input/output lead (white/brown - male plug)**
Connect to remote control lead of monitor.

⑯ **Remote control input/output lead (white/brown - female plug)**
Connect to remote control lead of KCE-415i (optional).

⑰ **Power antenna remote output (+12V/150mA) lead (blue)**

⑱ **Ground lead (black)**
Connect to metallic body or chassis of the car.

Specifications

Hardware

POWER SUPPLY	
Input voltage	10V - 24V DC
Power consumption	max. 15W
DEMODULATION	
Waveform	CO FDM
Modes	2K & 8K FEC combinations including hierarchical modes
Constellation	Q PSK, 16-Q AM, 64-Q AM
TUNER	
Antenna connector	F-type, female (5V, 30mA)
Input frequency	174 - 230MHz (VHF Band III) 470 - 862MHz (UHF Band IV and V)
Bandwidth	6, 7, 8 or 7/8MHz
Audio Input	1 Pairs RCA (stereo)
Video Input	1x RCA (rear screen); 1x RCA (front screen)
Audio output	1 Pairs RCA (stereo); Fiber Optics (optional)
Video output	1x RCA (rear screen); 1x RCA (front screen); S-Video
GENERAL INFORMATION	
Working temperature	-10 - 60 °C
Dimensions	193.5 (173.5) x 143.5 x 38 mm
Weight	750 g

Software

BASIC SYSTEM	MPEG -II Digital, fully DVB-T compliant
LANGUAGES FOR OSD	English / German / French Spanish / Italian / Swedish / Russian
NUMBER OF PROGRAMS	400 services
MANUAL CHANNEL SEARCH	Supported
AUTOMATIC CHANNEL SEARCH	Supported
SOFTWARE UPGRADE	via Earphone loader
TELETEXT	Supported (VBI insertion, OSD Teletext)
DVB SUBTITLING	Supported
EPG	Supported

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